Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-22 (Canceled).

23 (Currently amended). A method for transmitting data from a transmitter that transmits date received from an input to said transmitter, said method comprising:

(a) defining a first average rate to transmit a first plurality of packets of said data for presentation to a user at a receiver;

(b) defining a second average rate to transmit a second plurality of packets of said data comprising a subset of said first plurality of packets, wherein said second plurality of packets is less than said first plurality of packets, wherein said second average rate is greater than said first average rate;

(c) [[a]] said transmitter, at a predetermined time, automatically and without regard to any change in the rate of data received through said input, increasing the rate of transmission to said receiver of said second plurality of packets over a wireless interconnection to said second average rate; and

(d) estimating the bandwidth of said wireless interconnection based on respective arrival times, at said receiver, of only those ones of said first plurality of packets for presentation to said user at said receiver that are included in said second plurality of packets.

24 (Previously presented). The method of claim 23 wherein said second plurality of packets are provided to said transmitter at the maximum rate.

25 (Previously presented). The method of claim 23 wherein said second plurality of packets are provided as a burst of packets with at least two packets transmitted in a back-to-back fashion without other packets between them.

26 (Canceled).

27 (Previously presented). The method of claim 23 wherein all packets of said second plurality of packets contain at least one of audio data and video data.

28 (Previously presented) The method of claim 23 wherein said second plurality of packets is transmitted in a duration less than 1 second.

29 (Previously presented). The method of claim 23 wherein said transmitting is by an APPLICATION LAYER.

30 (Previously presented). The method of claim 23 wherein said transmitting is by a transport layer.

31 (Previously presented). The method of claim 23 wherein said transmitting is by a network layer.

32 (Canceled).

33 (Previously presented). The method of claim 23 wherein steps (b) and (c) are performed a plurality of times over a time period.

34 (Previously presented). The method of claim 23 wherein said first average rate is equal to the bit rate of the data source.

35 (Currently amended). A method of transmitting a contiguous sequence of data, said method comprising:

(a) defining a transmission rate to transmit a plurality of packets of said contiguous sequence wherein said transmission rate is greater than the average rate for transmitting said data to a receiver;

(b) transmitting said plurality of packets of said data over a wireless interconnection to a receiver, at a predetermined time and at a rate automatically increased to said second rate without regard to any change in the rate of data received for transmission, wherein all packets contain at least one of audio data and video data; and

(c) estimating the bandwidth of said wireless interconnection based on respective arrival times, at said receiver, of only those packets of said contiguous sequence of data included in said plurality of packets.

36 (Previously presented). The method of claim 35 wherein said plurality of packets are provided to said transmitter at the maximum rate.

37 (Previously presented). The method of claim 35 wherein said plurality of packets are provided as a burst of packets with at least two packets transmitted in a back-to-back fashion without other packets between them.

38 (Canceled).

39 (Previously presented). The method of claim 35 wherein said plurality of packets is transmitted in a duration less than 1 second.

40 (Previously presented). The method of claim 35 wherein said transmitting is by an APPLICATION LAYER.

41 (Previously presented). The method claim 35 wherein said transmitting is by a TRANSPORT LAYER.

42 (Previously presented). The method of claim 35 wherein said transmitting is by a NETWORK LAYER.

43 (Canceled).

44 (Previously presented). The method of claim 35 wherein said average rate is equal to the bit rate of the source data.

45 (Previously presented). The method of claim 43 further comprising performing said transmitting and said estimating a plurality of times over a time period.

46-96 (Canceled).